

## ABSTRACT

The present invention relates to conducting a plurality of chemical reactions in a system including an apparatus which provides energy for the chemical reactions, such as

5 chemical reactions in organic synthesis, where a particular advantage is the use of predetermined reaction parameters corresponding to similar chemical reactions. The present invention also relates to a system for performing said method and to corresponding kits and software. The system comprises an apparatus which can provide energy for the chemical reactions, said apparatus comprising a reaction cavity and a liquid

10 handler, and a parameter selecting unit having a user interface means, a search unit means, apparatus control unit means, and storage means for carrying a database.

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